

Advanced Load Monitoring (ALM™)

Anthem™ Statement P2 and P5 amplifiers are designed to perform flawlessly—offering stunning musicality, tonal neutrality and incredible dynamics while driving any speaker load reliably under real-world conditions! The power supply is conservatively rated and the amplifiers run cool for greater reliability, but we didn't stop there.

These amplifiers feature our ALM™ (Advanced Load Monitoring) circuitry which protects sensitive output devices by constantly monitoring temperature, current and voltage to ensure optimum

long-term performance. ALM™ is totally non-invasive—it is not in the signal path and only engages in the most extreme circumstances to protect the amplifier from damage by maintaining the safe operating area of the output devices. Buyer beware however! Not all amplifier manufacturers have sophisticated load-monitoring provisions. Many have saved the added cost, leaving their output devices unprotected, choosing instead to use the amplifier's output devices as “fuses.” At Anthem/Sonic Frontiers, ALM™ is just one of the ways in which our products provide owners with years of reliable service.

P2/P5 – Technical Specifications

INPUTS

P2 2 Single-Ended, 2 Balanced, 1 Relay Trigger (3.5 mm Mono Jack)
 P5 5 Single-Ended, 5 Balanced, 1 Relay Trigger (3.5 mm Mono Jack)

OUTPUTS

P2 2 Pairs Speaker Binding Posts, 1 Relay Trigger (3.5 mm Mono Jack)
 P5 5 Pairs Speaker Binding Posts, 1 Relay Trigger (3.5 mm Mono Jack)

SWITCHES

Front Panel Power (On/Off)
 Rear Panel On/Off Modes (Trigger, Manual, Auto), Inputs (RCA, XLR, XLR -6dB)

THD+N 0.0007% at 1 kHz, 0.008% at 20 kHz
 (225 W into 8 Ω)

POWER OUTPUT

(Per channel, continuous RMS, 20 Hz to 20 kHz, <0.1% THD, one or all channels driven.)

Impedance	8 Ω		4 Ω		2 Ω	
	1	All	1	All	1	All
P2, P5	325 W	325 W	500 W	500 W	675 W	675 W

Statement P2 and P5 amplifiers are stable into any impedance down to a short circuit at full output.

IMD 0.00019% (CCIF, 325 W into 8 Ω)

POWER BANDWIDTH 10 Hz to 150 kHz (+0 -3 dB, 325 W into 8 Ω)

FREQUENCY RESPONSE 20 Hz to 20 kHz (+0 -0.15 dB), 5 Hz to 100 kHz (+0 -2 dB)

INPUT SENSITIVITY 1 Vrms in for 28.3 Vrms out (100 W into 8 Ω)
 (RCA and XLR 0 dB inputs)

INPUT IMPEDANCE 18 kΩ (RCA), 22 kΩ (XLR)

DAMPING FACTOR >600 at 20 Hz, 400 at 1 kHz (ref. 8 Ω)

S/N RATIO 125 dB, A-weighted (ref. 325 W)

CROSSTALK (between any two channels) -140 dB (20 Hz), -80 dB (20 kHz)

VOLTAGE GAIN 29 dB

SLEW RATE 40 V/μs

POWER REQUIREMENTS

SUPPLY VOLTAGE 105 to 130 V, 60 Hz

POWER CONSUMPTION

P2 1800 W

P5 2 x 1800 W

DIMENSIONS

Height 9-3/8 inches (23.8 cm) including feet

Width Faceplate 19-1/4 inches (49 cm), chassis 17-1/4 inches (43.8 cm)

Depth 22-1/2 inches (57.2 cm) including handles

WEIGHT (unpacked)

P2 75 lb (34 kg)

P5 130 lb (59 kg)